

Welding Technology (A50420) Program

Craven Community College's Welding Program students shielded metal arc, Tungsten Inert Gas (TIG), and Metal Inert Gas (MIG) welding. Instruction includes consumable and non-consumable electrode welding and cutting processes. Additional coursework emphasizes math, blueprint reading, metallurgy, welding inspection, and destructive and non-destructive testing.

This welding degree curriculum provides the student with industry-standard skills through classroom training and principle application. Students are provided instruction pertaining to safety while working in welding and cutting environments, interpreting welding symbols, determining the quality of welds, implementing a safe and correct operation of welding equipment, improving metal fabrication skills, and learning how to weld various metals in a variety of challenging positions.

According to the Bureau of Labor Statistics (BLS), welders are needed in all types of industries. In the next few years, welders will be needed to shore up the aging infrastructure across the country, work on oil and gas pipelines, as well as build new energy extraction facilities, among others. Although few companies may hire an inexperienced welder, the BLS reports that most employers look for welders who have been trained and certified.

Craven's Workforce Development Welding Technology short certificate program allows students to earn industry-recognized welding certificates issued through the National Construction Center for Education & Research (NCCER). NCCER's curriculum correlates to the American Welding Society (AWS) SENSE (Schools Excelling through National Skills Education) standards and guidelines for Entry Level Welders. Upon successful completion, students will obtain NCCER Level I Credentialing. The Short-Term Certificate in Welding Technology includes four welding courses and three program required courses.

Welder Certifications

Welding certification is offered by several different welding organizations. The three largest are the [American Welding Society](#) (AWS), which focuses on structural codes associated with the construction of buildings and bridges; the [American Society of Mechanical Engineers](#) (ASME), which deals with boiler and pressure vessel codes; and the [American Petroleum Institute](#) (API), which oversees codes for welding pipelines for the gas and oil industries.

Different certifications are offered depending on what type of work and welding career an individual pursues. In addition to verifying that a welder can work with certain codes and contracts, certifications can also attest to a welder's ability to work with specific metal thicknesses, certain types of welds and other specific welding considerations.

Employer Certification

Welders can be certified by their employer through a hands-on test to confirm that a welder is competent in a specific process on a certain type of weld. However, employer certification is specific

to one welding process—that the individual has demonstrated their skills in one welding process, position, metal, and thickness range—usually the welding process and specifications required for the job. If any of these variables change, you might need a new certification. Every employer’s certification requirements are unique, so it could be helpful to know what they will be testing you on beforehand. The most common processes welders are tested and certified in are Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), and Gas Tungsten Arc Gas Welding (GTAW). A new certification is necessary for each process.

Individuals can also be certified in a process on one metal, such as steel, aluminum, stainless steel, or titanium. If you are certified in GTAW on aluminum, then you’d need to retest to be certified in the same process on a different metal. The thickness of the base metal used on the test will determine the range of thickness of base metal you are certified to work with. Moreover, if you test on one classification and size of filler metal, you might need to recertify for one with different specifications. Certifications also cover processes with shielding gases (based on the type of shielding gas); welding positions (flat, horizontal, vertical, and overhead, and whether fixed horizontal or a 45-degree fixed position; joint design (groove or fillet) and welding currents (AC, DC, pulsed power, or high frequency).

[American Welding Society \(AWS\) Certification](#)

AWS certification is gaining widespread acceptance in the welding industry because it is a standardized way of verifying a welder’s skills. This certification allows you to test on AWS Standard Welding Procedures, company-issued, non-code welding specifications, or industry standard specifications. Some employers use AWS certification instead of their own tests.

The AWS offers several pathways to welding certification depending on the specific job, goal or education of the welder desiring the certification. For instance, a professional welder needs a different certification than a welding inspector. The AWS partners with the [Ironworkers Union](#) and the [Sheet Metal Institute](#) to provide welding certification and testing centers to certify applicants.

AWS’s general Certified Welder certificate includes a written section on practical knowledge and safety; welders must score 75 percent on the practical knowledge section and 90 percent on the safety section. It also includes a hands-on practical test, with the welder choosing the correct materials, and preparing the welding machine and joints to be welded in adherence with standard safety protocols and the relevant [QC7 standards](#). Other certifications are available for Robotic Arc Welding, welding engineers, welding inspectors, welding educators, welding supervisors, welding sales representatives, and welding fabricators.

Those with field experience also can seek certification through the API or ASME.

[American Petroleum Institute \(API\) Certification](#)

API's Individual Certification Programs (ICP) are designed to meet the real-world challenges faced by the natural gas and oil, petrochemical and chemical industries with specific certifications for critical roles. ICP Certifications can be obtained in a broad range of specialties. For more information on each of these, see <https://oilgasworkforce.com/careers/certifications>.

[American Society of Mechanical Engineers \(ASME\) Certification](#)

ASME offers certification for those working with boiler and vessel codes. For more information about ASME's certification and continuing education programs, please see

<https://www.asme.org/certification-accreditation/personnel-certification>.

Licenses for Welders

Although the majority of states do not license welders, some states do have licensing requirements for welders in addition to certification. For example, New York requires welders to be certified by the AWS or the N.Y. State Department of Transportation. They then must apply to the state for a license. Some cities have their own certification and licensing processes in order for welders to be employed by the governmental entity. Welders who want to work for a local, state or federal government project need to check with their employer, or anticipated employer, for specific welding certification or licensing requirements.

Welder qualification/certification is typically performed according to AWS D1.1, ASME Section IX and API 1104 standards, which are also used in some other countries. Some states have their own Welder Qualifications that supersede AWS Qualifications, but most defer to AWS, ASME or API.

North Carolina's Department of Transportation (NCDOT) offers a Field Welder Certification Program that certifies both contract welders and NCDOT employee welders to perform welding on NCDOT Bridge Projects. For information on this program, please see

<https://connect.ncdot.gov/resources/Materials/Pages/FieldWelderCertificationProgram.aspx>

A directory of state contacts authorized to certify and/or license welders for state and federal projects follows.

Welding Certification/Licensure State Contacts

Alabama

Alabama Department of Transportation
PO Box 303050
Montgomery, AL 36130-3050
334-353-6554
<https://www.dot.state.al.us/>

Licensing/Certification/Qualifications/Standards:

[https://www.dot.state.al.us/publications/Construction/pdf/Specifications/2012/GASPSummary/12-0798\(2\).pdf](https://www.dot.state.al.us/publications/Construction/pdf/Specifications/2012/GASPSummary/12-0798(2).pdf)

Alaska

Alaska Department of Commerce, Community and Economic Development
Division of Corporations, Business and Professional Licensing
PO Box 110806
Juneau, AK 99811-0806
907-465-2550
license@alaska.gov

Licensing/Certification/Qualifications/Standards:

https://www.commerce.alaska.gov/web/Portals/5/pub/Centralized_Licensing_Regs.pdf;

<https://www.commerce.alaska.gov/web/portals/5/pub/ContractorStatutes.pdf>

Arizona

Registrar of Contractors
1700 W. Washington St., Suite 105
Phoenix, AZ 85007-2812
(602) 542-1525
<https://roc.az.gov/licensing>

Licensing/Certification/Qualifications/Standards: <https://roc.az.gov/license-class>;
<https://roc.az.gov/license-classifications>; <https://www.azleg.gov/ars/32/01122.htm>;
<https://www.azed.gov/sites/default/files/2019/02/American%20Welding%20Society%20Fact%20Sheet.pdf?id=5c6d7c2d1dcb2502e070adae>

Arkansas

10324 Interstate 30
Little Rock, AR 72209
501-569-2000
<https://www.ardot.gov/>

Licensing/Certification/Qualifications/Standards: <https://www.ardot.gov/wp-content/uploads/2020/10/Division-800.pdf>

California

Department of Consumer Affairs
Contractors State License Board
9821 Business Park Drive
Sacramento, CA 95827
(800) 321-2752
<https://www.dca.ca.gov/>

Licensing/Certification/Qualifications/Standards:
<https://www.cslb.ca.gov/Resources/GuidesAndPublications/LawReferenceBook2021.pdf>; (City of Los Angeles certified welder applications/examination:
[https://onedrive.live.com/?authkey=%21AGqMBzVB%5Fax0qtM&cid=3480A95602D76965&id=3480A95602D76965%215194&parId=root&o=OneUp"\);](https://onedrive.live.com/?authkey=%21AGqMBzVB%5Fax0qtM&cid=3480A95602D76965&id=3480A95602D76965%215194&parId=root&o=OneUp)
<https://dot.ca.gov/programs/construction/construction-manual/section-4-11-welding>

Colorado

Division of Professions and Occupations
1560 Broadway, Suite 1350
Denver, CO 80202
(303) 894-7800
<https://dpo.colorado.gov/>

Licensing/Certification/Qualifications/Standards:
https://www.colorado.gov/pacific/sites/default/files/atoms/files/2019_CDOT_%20Standard_Specifications_book.pdf

Connecticut

Department of Consumer Protection
450 Columbus Blvd., Suite 901
Hartford, CT 06103
(860) 713-6100
<https://portal.ct.gov/DCP>

Licensing/Certification/Qualifications/Standards: <https://portal.ct.gov/DCP/Occupational-and-Professional-Division/Occupational--Profess/Welding-Valves-and-Machinist-Licenses-and-Scope-of-Work>; <https://portal.ct.gov/DCP/License-Services-Division/All-License-Applications/Welding-Valves-and-Machinist-Trades-Licensing>

Delaware

Division of Professional Regulation
Cannon Building, Suite 203
861 Silver Lake Blvd.
Dover, DE 19904
(302) 739-2711
<https://dpr.delaware.gov/infoguide/>

Licensing/Certification/Qualifications/Standards:
<https://delcode.delaware.gov/title24/c028/index.html>

District of Columbia

Department of Consumer and Regulatory Affairs (DCRA)
1100 4th Street, SW
Washington, DC 20024
(202) 442-4400

Licensing/Certification/Qualifications/Standards: <https://casetext.com/regulation/district-of-columbia-administrative-code/title-12-construction-codes-supplement-of-2017/subtitle-12-e-mechanical-code-supplement-of-20171/chapter-12-e10-boilers-water-heaters-and-pressure-vessels/rule-12-e1018-welding-on-boilers-and-unfired-pressure-vessels>;
<https://casetext.com/regulation/district-of-columbia-administrative-code/title-12-construction-codes-supplement-of-2017/subtitle-12-e-mechanical-code-supplement-of-20171/chapter-12-e10-boilers-water-heaters-and-pressure-vessels/rule-12-e1019-test-methods>

Florida

Division of Professions
Construction Industry Licensing Board
2601 Blair Stone Road
Tallahassee, FL 32399-0791
(850) 487-1395
<http://www.myfloridalicense.com/dbpr/construction-industry/>

Licensing/Certification/Qualifications/Standards:

https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/content/programmanagement/implemented/specbooks/july2018/files/718ebook.pdf?sfvrsn=23db8518_0; <https://www.myfloridalicense.com/wl11.asp>;
<http://www.myfloridalicense.com/dbpr/construction-industry/#1489159935794-47166768-3ea7>;
<http://www.myfloridalicense.com/dbpr/building-codes-and-standards/>;
http://www.leg.state.fl.us/statutes/index.cfm?App_mode=Display_Statute&URL=0400-0499/0489/0489.html

Georgia

Georgia Department of Transportation
One Georgia Center
600 West Peachtree NW
Atlanta, GA 30308
(404) 631-1990

Licensing/Certification/Qualifications/Standards:

<http://www.dot.ga.gov/PS/Training/TechnicianCertification/WelderTech>;
<http://www.dot.ga.gov/PartnerSmart/Training/technician/Documents/fieldweldercertification.pdf#se arch=welding>

Hawaii

Department of Commerce & Consumer Affairs
Professional & Vocational Licensing Division
335 Merchant Street, Room 301
Honolulu, HI 96813
(808) 586-3000

Licensing/Certification/Qualifications/Standards:

https://cca.hawaii.gov/pvl/files/2013/08/HRS_pvl_436B-8-17.pdf;
<https://cca.hawaii.gov/pvl/files/2013/08/hrs-444-Contractors.pdf>;
https://cca.hawaii.gov/pvl/files/2019/11/PVL_FAQs-2019-11.pdf

Idaho

Idaho Transportation Department
3311 W. State Street
PO Box 7129
Boise, ID 83707-1129
(208) 334-8000

Division of Occupational and Professional Licenses
11351 W. Chinden
Building 6
Boise, ID 83714
Public Works Contractors License Board

<https://itd.idaho.gov/> <https://dbs.idaho.gov/boards/public-works-contractors-license-pwcl-board/>

Licensing/Certification/Qualifications/Standards:

<https://dbs.idaho.gov/wp-content/uploads/sites/105/2020/12/Public-Works-Statutes-Rules-Book-REVISED.pdf>
<https://itd.idaho.gov/business/>; https://dbs.idaho.gov/forms/public_works/;
<https://ibol.idaho.gov/IBOL/BoardPage.aspx?Bureau=CON>

<https://dbs.idaho.gov/rules-statutes/current-rules-statutes-packets/>

Illinois

Illinois Department of Financial and Professional Regulation
100 West Randolph, 9th Floor
Chicago, IL 60601
(208) 334-3233
<https://www.idfpr.com/>

Licensing/Certification/Qualifications/Standards:

<https://idot.illinois.gov/Assets/uploads/files/Transportation-System/Manuals-Guides-&-Handbooks/Highways/Local-Roads-and-Streets/Road Bridge and Other Related Laws of Illinois 2018 Edition.pdf>

Indiana

Professional Licensing Agency
402 W. Washington St.
Indianapolis, IN 46204
(317) 232-2960
<https://www.in.gov/pla/3648.htm>

Licensing/Certification/Qualifications/Standards: <https://www.in.gov/pla/boards.htm>
[https://www.in.gov/indot/files/INDOT%20PQ%20Rules%20and%20Statutes%20\(Versions-20Feb%202021\).pdf](https://www.in.gov/indot/files/INDOT%20PQ%20Rules%20and%20Statutes%20(Versions-20Feb%202021).pdf)

Iowa

Iowa Department of Transportation
800 Lincoln Way
Ames, IA 50010
515-239-1101
<https://iowadot.gov/#/services>

Licensing/Certification/Qualifications/Standards:

<https://www.iowadot.gov/erl/current/CM/Navigation/nav.htm>;
https://iowadot.gov/construction_materials/structures-and-foundations;
<https://iowadot.gov/erl/current/CM/content/CM%2011.20.htm>

Kansas

State Board of Technical Professions
900 SW Jackson St., Suite 507
Topeka, KS 66612-1257
(785) 296-3053
<https://www.ksbtp.ks.gov/home>

Kansas Department of Transportation
Bureau of Construction and Materials, 7th Floor
700 SW Harrison St.
Topeka, KS 66603-3754
<http://www.ksdot.org/index.asp>
(785) 291-3040
leeAnn.Legg@kas.gov

Licensing/Certification/Qualifications/Standards: <https://www.ksbtp.ks.gov/statutes-rules/rules-regs>;
<https://regulations.justia.com/states/kansas/agency-49/article-50/49-50-1/>;
<http://www.ksdot.org/Assets/wwwksdotorg/bureaus/burConsMain/specprov/2015/PDF/15-07003-r04.pdf>; <http://shopweld.ksdot.org/>; <https://ccresourcecenter.org/2018/05/11/kansas-the-most-recent-state-to-revise-its-occupational-licensing-law/>; <https://ksbiz.kansas.gov/plan/research-licenses-permits/>

Kentucky

Kentucky Department of Education
Office of Career & Technical Education
300 Sower Blvd., 5th Floor
Frankfort, KY 40601
(502) 564-4286

Mary.taylor@education.ky.gov

<https://education.ky.gov/CTE/cter/Pages/Weld-TRACK-ST.aspx>

Licensing/Certification/Qualifications/Standards:

https://transportation.ky.gov/Materials/Documents/KM110_05.pdf;

<https://transportation.ky.gov/Materials/Documents/WelderQualificationForm.pdf>;

<https://transportation.ky.gov/Materials/pages/Physical.aspx>

Louisiana

Louisiana Department of Transportation & Development	State of Louisiana Division of Administration
1201 Capitol Access Road	1201 N. Third St., Suite 7-210
Baton Rouge, LA 70802	Baton Rouge, LA 70802
(225) 379-1232	(225) 342-7000

<http://www.dotd.la.gov/Pages/default.aspx>

<https://www.louisiana.gov/licenses/>

Licensing/Certification/Qualifications/Standards

http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Standard_Specifications/Standard%20Specifications/2016%20Standard%20Specifications%20for%20Roads%20and%20Bridges%20Manual/12%20-%202016%20-%20Part%20VIII%20-%20Structures.pdf;

Maine

Maine Department of Education
23 State House Station
Augusta, ME 04333-0023
(207) 624-6600

<https://www.maine.gov/doe/learning/cte/standards/welding>

Licensing/Certification/Qualifications/Standards:

<https://www.maine.gov/mdot/mlrc/docs/roadscholar/welding.pdf>;

<https://www.maine.gov/pfr/professionallicensing/>

Maryland

Maryland Department of Labor
Division of Occupational & Professional Licensing
500 North Calvert Street
Baltimore, MD 21202
(410) 230-6231
dlopl-labor@maryland.gov <https://www.roads.maryland.gov/mdotsha/pages/Index.aspx?PageId=54>
<https://www.dllr.state.md.us/license/>

Maryland Department of Transportation
State Highway Administration
707 North Calvert Street
Baltimore, MD 21202-3601
(410) 545-0300

Licensing/Certification/Qualifications/Standards:

<https://www.roads.maryland.gov/mdotsha/pages/Index.aspx?PageId=54>

**Note: Maryland AWS certification is recognized by the Departments of Transportation in Delaware, Virginia, West Virginia, Maryland, Washington, DC, and Pennsylvania.*

Massachusetts

Massachusetts Department of Transportation
10 Park Plaza, Room 6430
Boston, MA 02116
(857) 623-6846
<https://www.mass.gov/orgs/massachusetts-department-of-transportation>
MetalsControl.Group@dot.state.ma.us

Licensing/Certification/Qualifications/Standards:

<https://www.mass.gov/massdot-welder-certification>; <https://www.mass.gov/how-to/how-to-become-a-certified-field-welder>

Michigan

Michigan Department of Labor & Economic Opportunity
Occupational Safety & Health Administration (MIOSHA)
530 W. Allegan Street
P.O. Box 30643
Lansing, Michigan 48909-8143
(517) 284-7777
<https://www.michigan.gov/leo>

Michigan Dept. of Transportation
Bureau of Bridges & Structures
Structure Construction Division
Structural Fabrication Unit
425 W. Ottawa St.
Lansing, MI 48909
517-241-2400.

MDOT-StructuralFabrication@michigan.gov

Licensing/Certification/Qualifications/Standards:

<https://www.michigan.gov/statelicensesearch/0,4671,7-180-24786-81637--,00.html>;
https://www.michigan.gov/documents/mdot/MDOT_Welder_Qualification_Program_653964_7.pdf
https://www.michigan.gov/documents/mdot/Welder_Certification_Program_650419_7.pdf

Minnesota

Minnesota Department of Transportation
395 John Ireland Blvd.
St. Paul, MN 55155-1800
(651) 296-3000
tech-cert.dot@state.mn.us

<http://www.dot.state.mn.us/const/tcp/about.html>

Licensing/Certification/Qualifications/Standards: <http://www.dot.state.mn.us/const/tcp/forms.html>;
<http://www.dot.state.mn.us/pre-letting/spec/2014/2014-Std-Spec-for-Construction.pdf>

Mississippi

Mississippi Department of Transportation
401 North West Street
Jackson, MC 39201
(601) 359-9860

<https://mdot.ms.gov/portal/about>

Licensing/Certification/Qualifications/Standards:

<https://mdot.ms.gov/documents/Construction/Specifications/2017%20Standard%20Specifications.pdf>

https://mdot.ms.gov/portal/engineering_standards_guides_manuals; Mississippi Community College

Welding Program Curriculum:

https://www.mdek12.org/sites/default/files/Offices/MDE/OAE/CTE/curriculum/2019_welding.pdf;

https://msdh.ms.gov/msdhsite/_static/30,0,82.html

Missouri

Missouri Department of Transportation
105 W Capitol Avenue
Jefferson City, MO 65102
<https://www.modot.org/>
(888) 275-6636

<https://pr.mo.gov/listings.asp>;

Licensing/Certification/Qualifications/Standards:

<https://www.modot.org/sites/default/files/documents/2021%20Missouri%20Standard%20Specific%20-%20MHTC%20%28July%202021%29.pdf>

Montana

Montana Department of Transportation
PO Box 201001
Helena, MT 59620-1001
(402) 471-4567
<https://www.fhwa.dot.gov/bridge/steel/pubs/hif19088.pdf>

Note: The [Western Alliance for Quality Transportation Construction \(WAQTC\)](#) is a partnership formed to continuously improve quality in transportation construction through qualified personnel and quality

products and services. WAQTC is comprised of representatives from Alaska, Colorado, Hawaii, Idaho, Montana, North Dakota, Oregon, Texas, Utah, and Washington, and the Western and Central Federal Lands Highway Divisions of the Federal Highway Administration.

Licensing/Certification/Qualifications/Standards: <https://opi.mt.gov/Welding>; <http://bsd.dli.mt.gov/>; <https://bsd.dli.mt.gov/professional-licenses/>

Nebraska

Nebraska Dept of Transportation
1500 HWY 2
PO Box 94759
Lincoln, NE 68509-4759
(402)471-2239
<http://dot.nebraska.gov/>

Licensing/Certification/Qualifications/Standards:
<https://nebraskaccess.ne.gov/professionalloccupationallicenses.asp>;
<https://dot.nebraska.gov/media/10343/2017-specbook.pdf>

Nevada

Nevada Department of Transportation
Construction Division
1263 S. Stewart Street
Carson City, NV 89712
(775) 888-7460
<https://www.dot.nv.gov/>

Licensing/Certification/Qualifications/Standards:
<http://www.nvcontractorsboard.com/endorsement.html#chart>

New Hampshire

New Hampshire Department of Transportation
PO Box 483
7 Hazen Drive
Concord, NH 03302-0483
(603) 271-3734
<https://www.dot.nh.gov/>

Licensing/Certification/Qualifications/Standards:
<https://www.nh.gov/dot/org/projectdevelopment/highwaydesign/specifications/documents/2016NHDOTSpecBook.pdf>; <https://www.oplc.nh.gov/professional-licensing>;
<https://www.nh.gov/dot/org/projectdevelopment/bridgedesign/manual.htm>

Note: New Hampshire's welder certification requirements are based on AASHTO and not AWS welding specifications. That said, welder qualifications require the welder furnish acceptable proof of qualification, namely AWS Certification or sworn copies of a satisfactory qualification test record or both.

New Jersey

PO Box 600
Trenton, NJ 08625-0600
(609) 292-6000
<https://nj.gov/nj/gov/deptserv/>

Licensing/Certification/Qualifications/Standards:

<https://www.njconsumeraffairs.gov/Pages/Applying-For-A-License.aspx>;
https://www.state.nj.us/transportation/eng/specs/2019/pdf/StandSpecRoadBridge_20190528.pdf

New Mexico

New Mexico Department of Transportation
1120 Cerillos road
Santa Fe, NM 87504-1149
(505) 827-5258
<http://www.rld.state.nm.us/>

Licensing/Certification/Qualifications/Standards:

https://dot.state.nm.us/content/dam/nmdot/Plans_Specs_Estimates/2019_Specs.pdf
http://www.rld.state.nm.us/boards/Get_Licensed.aspx

New York

New York Department of Transportation
Engineering Division, Office of Structures
50 Wolf Road
Albany, NY 12232
(518) 457-6195
<https://www.dot.ny.gov/about-dot>

Licensing/Certification/Qualifications/Standards:

<https://www.dot.ny.gov/divisions/engineering/structures>
<https://www1.nyc.gov/site/buildings/industry/welder-become.page>;
https://www.dot.ny.gov/divisions/engineering/structures/manuals/scm/repository/SCM_4th_Edition_1-2018.pdf;
https://www.dot.ny.gov/divisions/engineering/structures/repository/files/FW_Brochure_12-08_update.pdf; <https://www.dot.ny.gov/divisions/engineering/structures/engineering/approved-field-welder-list>;

North Carolina

North Carolina Department of Transportation
1501 Mail Service Center
Raleigh, NC 27699-1501
(877) 368-4968
<https://connect.ncdot.gov/Pages/default.aspx>

Licensing/Certification/Qualifications/Standards:

<https://connect.ncdot.gov/resources/Materials/Pages/FieldWelderCertificationProgram.aspx>

North Dakota

North Dakota Department of Career & Technical Education
600 E. Boulevard Avenue, Dept. 270
Bismarck, ND 58505-0610
(701) 328-3187
mnetzloff@nd.gov
<https://www.dot.nd.gov/>

Licensing/Certification/Qualifications/Standards:

<https://www.cte.nd.gov/sites/www/files/documents/Standards/TITE/Welding.pdf>

<https://www.dot.nd.gov/divisions/materials/techcertop.htm>

Ohio

Ohio Department of Transportation
Office of Materials Management
Structural, Welding & Metals Section
1600 West Broad Street
Columbus, OH 43223
(614) 275-1300
<https://www.transportation.ohio.gov/wps/portal/gov/odot/>

Licensing/Certification/Qualifications/Standards:

<http://www.dot.state.oh.us/Divisions/ConstructionMgt/Materials/Pages/FieldWelderQual.aspx>

Oklahoma

Oklahoma Department of Labor
3017 North Stiles Ave
Oklahoma City, OK 73105
(405) 521-6100
<https://www.ok.gov/Labor/>

Licensing/Certification/Qualifications/Standards:

https://www.ok.gov/Labor/SAFETY_&_HEALTH/Safety_Standards_Division/Welders/Welders_Rules_and_Regulations.html

Oregon

Oregon Department of Transportation
355 Capitol Street, NE, MS 11
Salem, OR 97301-3871
(888) 275-6368
<https://www.oregon.gov/odot/About/Pages/index.aspx>

Licensing/Certification/Qualifications/Standards: https://oregon.public.law/rules/oar_740-105-0250

(Note: The City of Portland, OR has a welder certification requirement. Please visit <https://www.portlandoregon.gov/citycode/article/81731> for more information.)

Pennsylvania

Pennsylvania Department of Transportation
Keystone Building
400 North St., 5th Floor
Harrisburg, PA 17120
(717) 787-2838
<https://www.penndot.gov/Pages/default.aspx>

Licensing/Certification/Qualifications/Standards:

http://www.dot.state.pa.us/public/PubsForms/Publications/Pub_408/408_2020/408_2020_IE/408_2020_IE.pdf

Rhode Island

Department of Labor and Training
Division of Professional Regulation - Mechanical
PO Box 20247
Cranston, RI 02920-0943
(401) 462-8580
DLT.Profregs@dlt.ri.gov
<https://dlt.ri.gov/wrs/professionalregulation/>

Licensing/Certification/Qualifications/Standards:

<http://www.dot.ri.gov/documents/doingbusiness/Bluebook.pdf>; <https://www.ri.gov/Licensing/>;
<https://dlt.ri.gov/wrs/professionalregulation/mechanicals.php>;
https://www.ri.gov/Licensing/renewal/license.php?lic_id=35;

South Carolina

South Carolina Department of Transportation
955 Park Street
PO Box 191
Columbia, SC 29201-3959
(855) 467-2368
<http://www.scdot.org/>

Licensing/Certification/Qualifications/Standards:

https://www.scdot.org/business/pdf/consultants/Technician_Certification_Policy.pdf?v=6;
<http://info2.scdot.org/Materials/QualProd/41%20QPP%20081616.pdf>;
https://www.scdot.org/business/pdf/2007_full_specbook.pdf

South Dakota

South Dakota Department of Transportation
700 E. Broadway, Ave.
Pierre, SD 57501
(605) 773-3265
<https://dot.sd.gov>

Licensing/Certification/Qualifications/Standards: <https://dot.sd.gov/doing-business/certification-accreditation/welding-certifications>;
https://dot.sd.gov/media/documents/2015_SDDOT_SpecBook.pdf;
<https://dot.sd.gov/media/documents/WorkClassificationsRevisions.pdf>; <https://dot.sd.gov/doing-business/certification-accreditation/about-certification-accreditation>

Tennessee

Tennessee Department of Transportation
Construction Division
505 Deaderick Street, Suite 700
Nashville, TN 37243
(615) 741-2414
brian.egan@tn.gov
<https://www.tn.gov/tdot/tdot-construction-division.html>

Licensing/Certification/Qualifications/Standards:
https://www.tn.gov/content/dam/tn/tdot/construction/2021-standard-specifications/January_1_2021_Standard_Specifications.pdf;
<https://www.tn.gov/content/dam/tn/commerce/documents/regboards/contractors/forms/ContBLCRegistrationwithTN.pdf>;
<https://www.tn.gov/content/dam/tn/commerce/documents/regboards/contractors/forms/ContLicAppInstrBooklet.pdf>; https://www.tn.gov/content/dam/tn/tdot/construction/design-build_projects/db-1802/FINAL_SR40_RFP_ContractBook1_2_and_3.pdf;

Texas

Texas Department of Transportation
Bridge Division, Construction & Maintenance Branch
125 East 11th Street
Austin, TX 78701
(512) 416-2824
<https://www.txdot.gov/business/resources/welding.html>

Licensing/Certification/Qualifications/Standards:
<https://www.txdot.gov/business/resources/welding.html>;
<https://www.txdot.gov/business/resources/txdot-specifications.html>

Utah

Utah Department of Transportation
4500 South 2700 West
PO Box 148220

Salt Lake City, UT 84114-8220
(801) 965-4000
contactudot@utah.gov
<https://www.udot.utah.gov/connect/>

Licensing/Certification/Qualifications/Standards: <https://www.utah.gov/search-results.html?q=license>; <https://dopl.utah.gov/>;
<https://www.udot.utah.gov/main/uconowner.gf?n=31730316757114651>

Vermont

Vermont Agency of Transportation
Metals Fabrication and Welding
219 North Main Street
Barre, VT 05641
(802) 595-1109
ryan.foster@vermont.gov
<https://vtrans.vermont.gov/highway/structures-hydraulics/metals>

Licensing/Certification/Qualifications/Standards: <https://sos.vermont.gov/opr/>;
<https://sos.vermont.gov/opr/professions/>; <https://vtrans.vermont.gov/docs#weld>;
<https://vtrans.vermont.gov/highway/structures-hydraulics/metals/welding>

Virginia

Virginia Department of Transportation
1401 E. Broad Street
Richmond, VA 23219
(800) 367-7623
<https://www.virginiadot.org/business/default.asp>

Licensing/Certification/Qualifications/Standards:
<https://www.roads.maryland.gov/mdotsha/pages/Index.aspx?PageId=54>;
http://www.virginiadot.org/business/resources/const/VDOT_2020_RB_Specs.pdf

Washington

Washington Association of Building Officials
PO Box 7310
Olympia, WA 98507
(360) 628-8669
wabo@wabo.org
<https://www.wabo.org/welder-program>

Licensing/Certification/Qualifications/Standards: <https://www.wabo.org/welder-program>;
<https://wabo.memberclicks.net/assets/pdfs/Welder/STD%2027-13%20Tenth%20Edition%20Rev%20Feb%202020%20copyright.pdf>

West Virginia

West Virginia Department of Transportation

Division of Highways

1900 Kanawha Blvd. E

Charleston, WV 25305

(304) 414-6606

mark.e.ball@wv.gov

<https://transportation.wv.gov/highways/Pages/default.aspx>

Licensing/Certification/Qualifications/Standards:

<https://transportation.wv.gov/highways/mcst/Pages/Quality%20Assurance%20System.aspx>;

https://transportation.wv.gov/highways/contractadmin/specifications/Documents/2020_Supplemental_20191211.pdf; <https://www.roads.maryland.gov/mdotsha/pages/Index.aspx?PagelId=54>;

Wisconsin

Department of Safety and Professional Services

4822 Madison Yards Way

Madison, WI 53705

(608) 266-2112

Licensing/Certification/Qualifications/Standards:

<https://dsps.wi.gov/Pages/Professions/Welder/Default.aspx>;

https://docs.legis.wisconsin.gov/code/admin_code/sps/safety_and_buildings_and_environment/301_319/305/III/34; <https://dsps.wi.gov/Credentialing/Trades/fm3100.pdf>

Wyoming

Wyoming Department of Transportation

Materials Program

5300 Bishop Blvd.

Cheyenne, WY 82009-3340

(307) 777-4070 (Greg Milburn)

<http://www.dot.state.wy.us/home.html>

Licensing/Certification/Qualifications/Standards:

<http://www.dot.state.wy.us/files/live/sites/wydot/files/shared/Construction/2021%20Standard%20Specifications/Wyoming%202021%20Standard%20Specifications%20for%20Road%20and%20Bridge%20Construction.pdf>